

# Hepatitis B

This is a reportable condition and should be reported to Maine CDC at 1-800-821-5821

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## Definition

Hepatitis B is a liver disease caused by the hepatitis B virus.

- Acute Hepatitis B is a short-term illness that occurs within the first 6 months after someone is exposed to the Hepatitis B virus (HBV). Acute infection can — but does not always — lead to chronic infection.
- Chronic Hepatitis B is a lifelong illness that occurs when HBV remains in a person's body for longer than 6 months and causes inflammation of the liver. Over time, this can cause cirrhosis (scarring) of the liver, liver cancer, liver failure, and death.

## Signs and symptoms

Signs and symptoms of Hepatitis B include fatigue, lack of appetite, dark urine, fever and vomiting. Jaundice (a yellowing of the skin and whites of the eyes) may appear. Sometimes a person with Hepatitis B has no symptoms at all.

## Transmission

Hepatitis B is spread by contact with infectious blood, semen, and other body fluids primarily through:

- Birth to an infected mother
- Sexual contact with an infected person
- Sharing of contaminated needles, syringes, or other injection drug equipment
- Needle sticks or other sharp instrument injuries

## Diagnosis

Hepatitis B is diagnosed by a series of blood tests that can identify acute or chronic forms of the disease.

## Treatment Recommendations

If acute infection is suspected, the student should be referred immediately to his or her primary care provider or local emergency department for further evaluation.

## Role of the School Nurse

### Prevention

- Hepatitis B vaccine is recommended for all children starting at birth for a series of 3 shots
- Standard precautions should be used for all children and staff in the school setting

## Exclusions

No exclusions are indicated for students or staff with Hepatitis B. Standard precautions should be used for all students and staff.

## Reporting Requirements

Hepatitis B is a reportable condition and should be reported to Maine CDC at 1-800-821-5821.

## Resources

- Maine CDC Hepatitis website (including fact sheet)  
<http://www.maine.gov/dhhs/mecdc/infectious-disease/epi/hepatitis/index.shtml>
- Federal CDC Hepatitis B website  
<http://www.cdc.gov/hepatitis/hbv/index.htm>
- Immunization Action Coalition Hepatitis B website (including vaccine information)  
<http://www.immunize.org/hepatitis-b/>